HP Lubricants - Product Data Sheet

HEAT TRANSFER FLUIDS

HYTHERM 500

HYTHERM 500 IS A THERMIC FLUID DESIGNED TO COVER A BOARD RANGE OF HEAT TRANSFER APPLICATIONS. THE PRODUCT IS MANUFACTURED USIN SPECIAL REFINING TECHNIQUES AND IS RECOMMENDED IN SERVICE INVOLVING MAXIMUM BULK TEMPARATURE OF 285^{o}C.

- **THE PRODUCT IS CHARACTERISED BY THE FOLLOWING.**
- **EXCELLENT OXIDATION & CHEMICAL STABILITY.**
- **GOOD HEAT TRANSFER PROPERTIES.**
- **LOW VOLATILITY, LOW VAPOUR PRESSURE**
- **NON CORROSIVE & NON TOXIC**

IT IS USED FOR MOST CONVENTIONAL OPERATIONS AND FINDA EXTENSIVE APPLICATION IN THE TEXTILE, PHARMACEUTICAL, CHEMICAL AND PROCESSING INDUSTRIES.

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HEAT TRANSFER FLUIDS

HYTHERM 600

HYTHERM 600 IS A PREMIUM QUALITY HEAT TRANSFER OIL SPECIALLY DEVELOPED FOR HEAT TRANSFER SYSTEM WHERE BULK OPERATING TEMPARTURES GO UPTO 305 C. THIS PRODUCT IS DERIVED FROM FINEST QUALITY PETROLEUM BASE STOCKS AND IS FORTIFIED WITH HIGH PERFORMANCE ADDITIVES TO ENHANCE PERFORMANCE AT HIGHER TEMPERATURES.

THE SAILENT FEATURES OF HYTHERM 600 ARE:

- **ABILITY TO WITHSTAND HIGHER OPERATING TEMPRATURES, UP TO 305C**
- **REDUCED OXIDATION AND THERMAL DEGRADATION, HENCE LONGER LIFE**
- **MINIMAL FOULING AND DEPOSIT FORMATION ON HEAT TRANSFER SURFACE, HENCE IT OFFERS IMPROVED HEAT TRANSFER.**

HYTHERM 600 GIVES EXCELLENT PERFORMANCE IN HIGH TEMPARATURE HEAT TRANSFER SYSTEMS. IT CAN EVEN REPLACE IMPORTED SYNTHETIC PRODUCTS WITH A FEW MINOR SYSTEM MODIFICATION AND OPERATE SATISFACTORILY SUBJECT TO THE ABOVE TEMPARATURE LIMIT. IT IS AN EXCELLENT HEAT TRANSFER FLUID & FINDS A WIDE RANGE OF APLICATIONS IN TEXTILE, PHARMACEUTICAL, CHEMICAL & PROCESSING INDUSTRIES.

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HEAT TRANSFER FLUIDS

PROPERTIES	HYTHERM 500	HYTHERM 600
VISCOCITY @ 40 C	27-35	27-38
FLASH POINT COC, C, MIN	194	194
POWER POINT C MAX	0	0
COPPER STRIP CORROSION 3HR @ 100 C (ASTM) , MAX	1	1
NEUT.NUMBER MG KOH/GM, MAX	0.15	0.15
SPECIFIC HEAT KCAL/KG C AT		
260C	0.730	0.740
280C	0.751	0.760
300C	0.772	0.790
THERMAL CONDUCTIVITY, KCAL/HR-MT C AT		
260C	0.097	0.100
280C	0.096	0.099
300C	0.095	0.097